

What is claimed is:

1. A method for data processing device exchanging data with computer, said data processing device including standard data interface, control module and storage module; the standard data interface used for the data processing device connecting with the computer, and the control module used for W/R controlling to storage module and exchanging data with the computer; when said data processing device is connected with the computer under the running-state through the standard data interface or when the operation system of the computer connected with said data processing device starts, said computer communicating with the control module based on said standard data interface, and carrying on the steps of:

step 1, said computer sending an enquiring message of the device's type to said data processing device;

step 2, after receiving the enquiring message of the device's type, said control module sending a device's type information of said data processing device to the computer, and informing the computer that the data processing device is the device with auto-run function or without auto-run function;

step 3, after said computer receiving said device's type information, if the device's type information indicating that the data processing device is the device with auto-run function, then said computer setting the device attribute of said data processing device to the device with auto-run function, and accessing said data processing device according to the corresponding access specifications, then carrying on step 4, else carrying on step 5;

step 4, if the computer finding the auto-running file stored in the data processing device, then the computer performing auto-run function according to the script in the auto-running file, else the

operation on the data processing device being finished till next access operation to said data processing device;

step 5, said computer setting the device attribute of said data processing device to the device without auto-run function, finishing
5 the operation on the data processing device till next access operation to said data processing device.

2. The method for data processing device exchanging data with computer as claimed in claim 1, wherein a control switch is set in
10 said data processing device for controlling the start or stop of auto-run function of said data processing device; in said step 2, after receiving the enquiring message of the device's type, the control module checks whether the state of said control switch is representing the start of auto-run function or not, if "yes", then
15 the control module responds the device's type message to the computer and informs the computer that the data processing device is the device with auto-run function, else the control module responds the device's type message to the computer and informs the computer that the data processing device is the device without
20 auto-run function.

3. The method for data processing device exchanging data with computer as claimed in claim 1, wherein:
a control data is stored in said storage module for representing the
25 start or stop of auto-run function of said data processing device; in said step 2, after receiving the enquiring message of the device's type, the control module firstly accesses said control data, and discriminates whether the data is represented to control the data processing device being the start of auto-run function; if "yes",
30 then the control module responds the device's type message to the

computer and informs the computer that the data processing device is the device with auto-run function, else responds the device's type message to the computer and informs the computer that the data processing device is the device without auto-run function.

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4. The method for data processing device exchanging data with computer as claimed in claim 1, 2 or 3, wherein said auto-running concretely depicts that said computer accesses programs to be run by the script according to the script in the auto-running file and executes them
10 in the order specified in the auto-running file.

5. The method for data processing device exchanging data with computer as claimed in claim 4, wherein said program is stored in the storage module of said data processing device and/or stored in the other
15 storage devices of said computer.

6. The method for data processing device exchanging data with computer as claimed in claim 5, wherein a secure storage area is set in said storage module, the secure storage area is set to the
20 state which can not be displayed and/or modified by the computer, said auto-running file and/or said program are stored in the secure storage area.

7. The method for data processing device exchanging data with
25 computer as claimed in claim 5, wherein one or a plurality of data storage areas are setup in said storage module for storing configuration information and /or data to be exchanged, and storing the configuration information about the data storage areas; and said step 5 further comprises: the computer communicating with the data

processing device, parsing said stored configuration information and exchanging data with computer in accordance with the configuration information.

5 8. The method for data processing device exchanging data with computer as claimed in claim 1, wherein said standard interface of said data processing device is USB interface or IEEE1394 interface.

9. The method for data processing device exchanging data with
10 computer as claimed in claim 1, wherein said device with auto-run function is CD driver.

10. The method for data processing device exchanging data with
computer as claimed in claim 1, wherein said device without auto-run
15 function is floppy disk, hard disk or flash-based storage device.

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